

## IN THE CLAIMS

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listing of claims in the application.

### Listing of Claims:

Claim 1 (original): A magnetostrictive device, comprising:  
a waveguide, said waveguide being folded and forming two substantially parallel legs;  
a mode converter, said mode converter surrounding at least a portion of at least one of said legs of said waveguide; and  
said legs being electrically insulated from each other.

Claim 2 (currently amended): The device of claim 1, wherein said legs being electrically insulated from each other; said fold of said waveguide is located at the farthest distance from said mode converter; said waveguide supports a sonic pulse in response to a current pulse applied to said waveguide; ~~and~~

Claim 3 (currently amended): The device of claim 1 which uses a current pulse applied to said waveguide to generate a sonic pulse in response to the current pulse, the sonic pulse being supported by said waveguide, wherein said mode converter supplies an electrical output in response to the sonic pulse traveling down said waveguide reaching said mode converter.

Claim 4 (new): The device of claim 1, wherein said electrical insulation prevents said legs from touching.

Claim 5 (new): The device of claim 1, wherein said mode converter is located at a fixed position on said one of said legs.

Claim 6 (new): The device of claim 1, wherein there is further included a position magnet slidably mounted on said wave guide.